Bruhath Bengalore Mahanagara Palike

Modified Estimate

Name of Work: Modified Estimate for Improvements to road 8th,9th,10th main and 7th A, 8th A Cross, 5th 7th cross and other cross road at MEI layout and 8th B, 9th cross, 5th,18th Main and Other cross roads Re-Construction of CC roads at MEI Layout in Ward No.14 Dasarahalli Sub-division Package No-DZ 7-18 (2)(4 Works)

Name of Agency: M.S.V.Constructions Company

Code No : 014-18-000070

Work Order No : EE/DD/W.O/133/2020-21 Dtd : 20.11.2020 | **Estimated Cost:** | **195.00** | **Lakhs**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	KSRRB 300-1.Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
	For New drain								
	1st Cross road from Royal Enclave main road to dead end								
	LHS	1	80.00	1.10	1.00	88.00			
	RHS	1	40.00	1.10	1.00	44.00			
	2nd cross road								
		2	48.00	1.10	1.00	105.60			
	3rd cross road from Dead End to Royal Enclave road								
		2	63.00	1.10	1.00	138.60			
	3rd cross road from Royal Enclave main road to Parallel road								
		2	28.50	1.10	1.00	62.70			
	4th cross road from Dead End to Royal Enclave road								
		2	69.50	1.10	1.00	152.90			
	4th cross road from Royal Enclave main road to Parallel road								
		2	28.00	1.10	1.00	61.60			
	Parallel road From 4th to dead end								
		2	65.50	1.10	1.00	144.10			
	5th Cross road								
		2	64.00	1.10	1.00	140.80			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		2	204.00	1.10	1.00	448.80			
	For New Culvert								
	1st Cross road								
		2	6.30	1.60	1.20	24.19			
	2nd Cross road								
		1	4.00	1.60	1.20	7.68			
	3rd Cross road								
		2	6.00	1.60	1.20	23.04			
	4th Cross road								
		2	6.00	1.60	1.20	23.04			
	5th Cross road								
		1	5.00	1.60	1.20	9.60			
				Total Qty		**1474.65**	**Cum**		
				As per Agreement Qty		1272.96		**196.27**	**249843.86**
				Upto 125% Qty		201.69		**196.27**	**39586.09**
				Total Qty		**1474.65**	**Cum**		
2	**Removing BS Slab and stacking etc Complete.**								
	For Drain								
	1st Cross road from Royal Enclave main road to dead end								
	LHS	1	80.00	0.90		72.00			
	RHS	1	40.00	0.90		36.00			
	2nd cross road								
		2	48.00	0.90		86.40			
	3rd cross road from Dead End to Royal Enclave road								
		2	63.00	0.90		113.40			
	3rd cross road from Royal Enclave main road to Parallel road								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
		2	28.50	0.90		51.30			
	4th cross road from Dead End to Royal Enclave road								
		2	69.50	0.90		125.10			
	4th cross road from Royal Enclave main road to Parallel road								
		2	28.00	0.90		50.40			
	Parallel road From 4th to dead end								
		2	65.50	0.90		117.90			
	5th Cross road								
		2	64.00	0.90		115.20			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		2	204.00	0.90		367.20			
	For New Culvert								
	1st Cross road								
		2	6.30	1.20		15.12			
	2nd Cross road								
		1	4.00	1.20		4.80			
	3rd Cross road								
		2	6.00	1.20		14.40			
	4th Cross road								
		2	6.00	1.20		14.40			
	5th Cross road								
		1	5.00	1.20		6.00			
				Total Qty		**1189.62**			
			As per Agreement Qty			10119.00			
			As per Executed Qty			**1189.62**	**Sqm**	**69.01**	82095.6
3	**Refixing stone slabs of drains and pointing in CM (1:3)**								
		Not Executed							
		Schedule B Qty				**8123.4**	**Sqm**	**84.59**	0.00
4	**Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing, curing etc complete 10cms thick.**								
		Not Executed							
		Schedule B Qty				**2043.6**	**Sqm**	**867.03**	0.00
5	**Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.**								
		Not Executed							
		Schedule B Qty				**2904.5**	**Sqm**	**10.02**	0.00
6	**Earthwork in soil with hydraulic excavator of 0.90cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections and transporting to the embankment location and complete as per specifications.**								
	1st Cross road from Royal Enclave main road to dead end								
		1	80.00	4.10	0.30	98.40			
	2nd Cross road								
		1	48.50	3.80	0.30	55.29			
	3rd Cross road								
		1	91.00	5.30	0.30	144.69			
	4th cross road								
		1	98.00	5.50	0.30	161.70			
	Parallel road For 4th & 3rd Cross								
		1	65.00	4.60	0.30	89.70			
	5th Cross road								
		1	65.00	5.30	0.30	103.35			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		1	204.00	5.40	0.30	330.48			
				Total Qty		**983.61**	**Cum**		
			As per Agreement Qty			1481.57			
			As per Executed Qty			**983.61**	**Cum**	**156.20**	153639.8

	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. - For Grading II Material								
		Not Executed							
		Schedule B Qty				**620.07**	**Cum**	**1748.32**	**0.00**
	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3								
	1st Cross road from Royal Enclave main road to dead end								
		1	80.00	4.10		328.00			
	2nd Cross road								
		1	48.50	3.80		184.30			
	3rd Cross road								
		1	91.00	5.30		482.30			
	4th cross road								
		1	98.00	5.50		539.00			
	Parallel road For 4th & 3rd Cross								
		1	65.00	4.60		299.00			
	5th Cross road								
		1	65.00	5.30		344.50			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		1	204.00	5.40		1101.60			
				Total Qty		**3278.70**	**Sqm**		
			As per Agreement Qty			3990.55			
			As per Executed Qty			**3278.70**	**Sqm**	**5.57**	**18262.36**
9	**Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406**								
	1st Cross road from Royal Enclave main road to dead end								
		1	80.00	4.10	0.23	75.44			
	2nd Cross road								
		1	48.50	3.80	0.23	42.39			
	3rd Cross road								
		1	91.00	5.30	0.23	110.93			
	4th cross road								
		1	98.00	5.50	0.23	123.97			
	Parallel road For 4th & 3rd Cross								
		1	65.00	4.60	0.23	68.77			
	5th Cross road								
		1	65.00	5.30	0.23	79.24			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		1	204.00	5.40	0.23	253.37			
				Total Qty		**754.10**	**Cum**		
			As per Agreement Qty			1272.11			
			As per Executed Qty			**754.10**	**Cum**	**1856.48**	**1399973.42**
10	**Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502**								
		Not Executed							
		Schedule B Qty				**8325.95**	**Sqm**	**28.94**	**0.00**
11	**Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501**								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	7th A Main road MEI Layout								
		1	153.00	7.60		1162.80			
	8th Main road MEI Layout								
		1	112.00	5.80		649.60			
	9th A Cross road MEI Layout								
		1	143.00	8.20		1172.60			
	10th Main road MEI Layout								
		1	111.00	6.80		754.80			
	9th main road MEI Layout								
		1	113.00	6.50		734.50			
	7th A cross road MEI Layout								
		1	170.00	8.90		1513.00			
	6th cross Sheshadri road								
		1	300.00	6.20		1860.00			
	Sahyadri Balaga 1st Main Road								
		1	212.00	6.20		1314.40			
	Sahyadri Balaga 1st Cross Road								
		1	75.00	4.20		315.00			
	Sahyadri Balaga 2nd Cross Road								
		1	51.00	4.50		229.50			
			Total Qty			9706.20	Sqm		
			As per Agreement Qty			14126.50			
			As per Executed Qty			9706.20	Sqm	3.34	32418
12	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5								
	Tack coat for BM								
	7th A Main road MEI Layout								
		1	153.00	1.50		229.50			
	8th Main road MEI Layout								
		1	112.00	1.50		168.00			
	9th A Cross road MEI Layout								
		1	143.00	1.50		214.50			
	10th Main road MEI Layout								
		1	111.00	1.50		166.50			
	9th main road MEI Layout								
		1	113.00	1.50		169.50			
	7th A cross road MEI Layout								
		1	170.00	1.50		255.00			
	6th cross Sheshadri road								
		1	300.00	1.50		450.00			
	Sahyadri Balaga 1st Main Road								
		1	212.00	1.50		318.00			
	Sahyadri Balaga 1st Cross Road								
		1	75.00	1.50		112.50			
	Sahyadri Balaga 2nd Cross Road								
		1	51.00	1.50		76.50			
	Tack coat for BC								
	7th A Main road MEI Layout								
		1	153.00	7.60		1162.80			
	8th Main road MEI Layout								
		1	112.00	5.75		644.00			
	9th A Cross road MEI Layout								
		1	143.00	8.20		1172.60			
	10th Main road MEI Layout								
		1	111.00	6.80		754.80			
	9th main road MEI Layout								
		1	113.00	6.50		734.50			
	7th A cross road MEI Layout								
		1	169.50	8.90		1508.55			
	6th cross Sheshadri road								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	Sahyadri Balaga 1st Main Road	1	300.00	6.20		1860.00			
	Sahyadri Balaga 1st Cross Road	1	212.00	6.20		1314.40			
	Sahyadri Balaga 2nd Cross Road	1	75.00	4.20		315.00			
		1	51.00	4.50		229.50			
			Total Qty			11856.15	Sqm		
			As per Agreement Qty			15061.50			
			As Per Executed Qty			11856.15	Sqm	13.36	158398.16
13	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 -using 100/120 TPH capacity H.M.P. with sensor paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen								
	7th A Main road MEI Layout	1	153.00	1.50	0.05	11.48			
	8th Main road MEI Layout	1	112.00	1.50	0.05	8.40			
	9th A Cross road MEI Layout	1	143.00	1.50	0.05	10.73			
	10th Main road MEI Layout	1	111.00	1.50	0.05	8.33			
	9th main road MEI Layout	1	113.00	1.50	0.05	8.48			
	7th A cross road MEI Layout	1	170.00	1.50	0.05	12.75			
	6th cross Sheshadri road	1	300.00	1.50	0.05	22.50			
	Sahyadri Balaga 1st Main Road	1	212.00	1.50	0.05	15.90			
	Sahyadri Balaga 1st Cross Road	1	75.00	1.50	0.05	5.63			
	Sahyadri Balaga 2nd Cross Road	1	51.00	1.50	0.05	3.83			
			Total Qty			108.00	Sqm		
			As per Agreement Qty			231.77			
			As Per Executed Qty			108.00	Sqm	7476.02	807410.16
14	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen								
	7th A Main road MEI Layout	1	153.00	7.60	0.04	46.51			
	8th Main road MEI Layout	1	112.00	5.75	0.04	25.76			
	9th A Cross road MEI Layout	1	143.00	8.20	0.04	46.90			
	10th Main road MEI Layout	1	111.00	6.80	0.04	30.19			
	9th main road MEI Layout	1	113.00	6.50	0.04	29.38			
	7th A cross road MEI Layout	1	169.50	8.90	0.04	60.34			
	6th cross Sheshadri road	1	300.00	6.20	0.04	74.40			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amou
	Sahyadri Balaga 1st Main Road								
		1	212.00	6.20	0.04	52.58			
	Sahyadri Balaga 1st Cross Road								
		1	75.00	4.20	0.04	12.60			
	Sahyadri Balaga 2nd Cross Road								
		1	51.00	4.50	0.04	9.18			
			Total Qty			**387.85**	**Cum**		
			As per Agreement Qty			**557.26**			
			As Per Executed Qty			**387.85**	**Cum**	**8524.47**	330618
15	**Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803**								
	7th A Main road MEI Layout								
		2.0	153.00	0.10		30.60			
	8th Main road MEI Layout								
		2.0	100.00	0.10		20.00			
	9th A Cross road								
		2.0	143.00	0.10		28.60			
	9th main road MEI Layout								
		2.0	113.00	0.10		22.60			
	7th A cross road MEI Layout								
		2.0	169.50	0.10		33.90			
	6th cross Sheshadri road								
		2.0	300.00	0.10		60.00			
	Sahyadri Balaga 1st Main Road								
		2.0	212.00	0.10		42.40			
			Total Qty			**238.10**	**Sqm**		
			As per Agreement Qty			**685.88**			
			As Per Executed Qty			**238.10**	**Sqm**	**569.86**	135683
16	**Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2**								
	1st Cross road from Royal Enclave main road to dead end								
	LHS	1	80.00	1.10	0.15	13.20			
	RHS	1	40.00	1.10	0.15	6.60			
	2nd cross road								
		2	48.00	1.10	0.15	15.84			
	3rd cross road from Dead End to Royal Enclave road								
		2	63.00	1.10	0.15	20.79			
	3rd cross road from Royal Enclave main road to Parallel road								
		2	28.50	1.10	0.15	9.41			
	4th cross road from Dead End to Royal Enclave road								
		2	69.50	1.10	0.15	22.94			
	4th cross road from Royal Enclave main road to Parallel road								
		2	28.00	1.10	0.15	9.24			
	Parallel road From 4th to dead end								
		2	65.50	1.10	0.15	21.62			
	5th Cross road								
		2	64.00	1.10	0.15	21.12			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		2	204.00	1.10	0.15	67.32			
	For New Culvert								
	1st Cross road								
		2	6.30	1.60	0.15	3.02			
	2nd Cross road								
		1	4.00	1.60	0.15	0.96			
	3rd Cross road								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
	4th Cross road	2	6.00	1.60	0.15	2.88			
	5th Cross road	2	6.00	1.60	0.15	2.88			
		1	5.00	1.60	0.15	1.20			
				Total Qty		219.01	Cum		
				As per Agreement Qty		143.22		5416.97	775818.44
				Upto 125% Qty		35.81		5416.97	193954.61
				Above 125% Qty		39.98		5677.99	227028.56
				Total Qty		219.01	Cum		
17	Cement Concrete Pavement. Construction of Un-Reinforced Plain Cement Concrete Pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other typa as per clause 1051.2.2 design mix, with 25 mm and down size graded granite metal coarse and fine aggregates, with superplastisiser @31. Its confirming to IS 9103 - 1999 Reaffirmed - 2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approval fixed side form work (Steel Channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing. Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation, membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (At 270 kg, per cum coarse aggregate @ 0.69 cum and fine aggregate @ 0.46 cum) replacing 25% (90 Kg) of cement content with Ground Granulated Blast Furnance Slag in mix design.								
	For CC Road								
	1st Cross road from Royal Enclave main road to dead end								
		1	80.00	4.10	0.15	49.20			
	2nd Cross road								
		1	48.50	3.80	0.15	27.65			
	3rd Cross road								
		1	91.00	5.30	0.15	72.35			
	4th cross road								
		1	98.00	5.50	0.15	80.85			
	Parallel road For 4th & 3rd Cross								
		1	65.00	4.60	0.15	44.85			
	5th Cross road								
		1	65.00	5.30	0.15	51.68			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		1	204.00	5.40	0.15	165.24			
				Total Qty		491.81	Cum		
				As per Agreement Qty		627.64			
				As Per Executed Qty		491.81	Cum	6528.86	3210925.99
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.								
	For CC Road								
	1st Cross road from Royal Enclave main road to dead end								
		1	80.00	4.10		328.00			
	2nd Cross road								
		1	48.50	3.80		184.30			
	3rd Cross road								
		1	91.00	5.30		482.30			
	4th cross road								
		1	98.00	5.50		539.00			
	Parallel road For 4th & 3rd Cross								
		1	65.00	4.60		299.00			
	5th Cross road								
		1	65.00	5.30		344.50			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		1	204.00	5.40		1101.60			
				Total Qty		3278.70	Sqm		
				As per Agreement Qty		4184.25			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
			As Per Executed Qty			3278.70	Sqm	100.17	328427.38
19	**Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.**								
		Not Executed							
		Schedule B Qty				575	Rmt	128.00	0.00
EIRL 1	**KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -Fe 500**								
	For drain - 60Kg					25015.32			
	For Culvert - 90Kg					2626.56			
						27641.88	Kgs		
			As Per Executed Qty			27.64	Tonnes	92662.02	2561352.4
EIRL 2	**Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 Kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc, complete excluding cost of steel as per MORTH specification No. 1500,1700,2200 including cost of materials, labour, HOM of complete as per specifications.-do-wall & bottom 15cm**								
	For Raft Concrete								
	1st Cross road from Royal Enclave main road to dead end								
	LHS	1	80.40	1.00	0.15	12.06			
	RHS	1	40.00	1.00	0.15	6.00			
	2nd cross road								
		2	48.20	1.00	0.15	14.46			
	3rd cross road from Dead End to Royal Enclave road								
		2	63.30	1.00	0.15	18.99			
	3rd cross road from Royal Enclave main road to Parallel road								
		2	28.80	1.00	0.15	8.64			
	4th cross road from Dead End to Royal Enclave road								
		2	69.60	1.00	0.15	20.88			
	4th cross road from Royal Enclave main road to Parallel road								
		2	28.00	1.00	0.15	8.40			
	Parallel road From 4th to dead end								
		2	65.50	1.00	0.15	19.65			
	5th Cross road								
		2	64.10	1.00	0.15	19.23			
	Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
		2	204.00	1.00	0.15	61.20			
	For Side Wall								
	1st Cross road from Royal Enclave main road to dead end								
	LHS	2	80.40	0.15	0.60	14.47			
	RHS	2	40.00	0.15	0.60	7.20			
	2nd cross road								
		4	48.20	0.15	0.60	17.35			
	3rd cross road from Dead End to Royal Enclave road								
		4	63.30	0.15	0.60	22.79			
	3rd cross road from Royal Enclave main road to Parallel road								
		4	28.80	0.15	0.60	10.37			
	4th cross road from Dead End to Royal Enclave road								
		4	69.60	0.15	0.60	25.06			
	4th cross road from Royal Enclave main road to Parallel road								
		4	28.00	0.15	0.60	10.08			
	Parallel road From 4th to dead end								
		4	65.50	0.15	0.60	23.58			

CamScanner

Description of Items	No	Length	Width	Depth	Quantity	Unit	As per Approved Schedule-B Rate	Amount
5th Cross road								
	4	64.10	0.15	0.60	23.08			
Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
	4	204.00	0.15	0.60	73.44			
Culvert								
Raft Concrete					**416.92**			
1st Cross road								
	2	6.30	1.60	0.20	4.03			
2nd Cross road								
	1	4.00	1.60	0.20	1.28			
3rd Cross road								
	2	6.00	1.60	0.20	3.84			
4th Cross road								
	2	6.00	1.60	0.20	3.84			
5th Cross road								
	1	5.00	1.60	0.20	1.60			
Side Walls								
1st Cross road								
	4	6.30	0.20	0.80	4.03			
2nd Cross road								
	2	4.00	0.20	0.80	1.28			
3rd Cross road								
	4	6.00	0.20	0.80	3.84			
4th Cross road								
	4	6.00	0.20	0.80	3.84			
5th Cross road								
	2	5.00	0.20	0.80	1.60			
					29.18			
		As Per Executed Qty			**446.11**	**Cum**	**7070.20**	**3154058.64**
Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800mm using M20 concrete reinforced with steel @ 6.00 Kg/sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM, curing, lead and lift charges etc, complete as per MORTH Specifications No.1500,1700								
1st Cross road from Royal Enclave main road to dead end								
LHS	1	80.40	0.90		72.36			
RHS	1	40.00	0.90		36.00			
2nd cross road								
	2	48.20	0.90		86.76			
3rd cross road from Dead End to Royal Enclave road								
	2	63.30	0.90		113.94			
3rd cross road from Royal Enclave main road to Parallel road								
	2	28.80	0.90		51.84			
4th cross road from Dead End to Royal Enclave road								
	2	69.60	0.90		125.28			
4th cross road from Royal Enclave main road to Parallel road								
	2	28.00	0.90		50.40			
Parallel road From 4th to dead end								
	2	65.50	0.90		117.90			
5th Cross road								
	2	64.10	0.90		115.38			
Royal Enclave Main road from Bhairaveswara circle Road to NMH kalyanamantapa								
	2	204.00	0.90		367.20			
		As Per Executed Qty			**1137.06**	**Sqm**	**2337.00**	**2657309.22**
Precast Slab 250mm thick (data rate)								
1st Cross road								
	2	6.30	1.50		18.90			
2nd Cross road								
	1	4.00	1.50		6.00			

Sl No	Description of Items	No	Length			Quantity	Unit	As per Approved Schedule-B Rate	Amount
	3rd Cross road								
		2	6.00			18.00			
	4th Cross road								
		2	6.00			18.00			
	5th Cross road								
		1	5.00	1.50		7.50			
			As Per Executed Qty			68.40	Sqm	5418.00	370591.20
								Actual Cost	19862960.06
								As Per Tender Cost	19865174.00

Assistant Engineer
Ward No.14

Asst. Executive Engineer,
Shettihalli Sub division.

Executive Engineer,
Dasarahalli Division

ಕರ್ನಾಟಕ ಅಭಿವೃದ್ಧಿ
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಆಗಲಗುಂಟೆ, ಜಿ.ಪಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

certificate

1) ಮೊದಲನೆ ಅಂಕಣದಲ್ಲಿರುವ ಹೆಸರಿಸಿರುವ ವಿವಿಧ ಕಡೆಗಳಲ್ಲಿ ಈ ಮಂಜೂರಿ 17ಲ ಕಡೆಗಳಲ್ಲಿ ಹೋಲಿಸಿ ನೋಡಲಾಗಿದೆ

2) ಮೂರನೆಯ ಅಂಕಣದಲ್ಲಿರುವ ಹೆಸರಿಸಿರುವ ಕಡೆಗಳಲ್ಲಿ ಅವರು ಅಳತೆ ಮಾಡಿರುವ ಅಳತೆಗಳನ್ನು ನಿಜವೆಂದು ಒಪ್ಪಿಕೊಳ್ಳಲಾಗಿದೆ

3) ಮೂರನೆಯ ಅಂಕಣದಲ್ಲಿರುವ ಹೆಸರಿಸಿರುವ ಕಡೆಗಳಲ್ಲಿ ಅವರು ಅಳತೆ ಮಾಡಿರುವ ಕಡೆಗಳು. ಇವುಗಳಲ್ಲಿ ಯಾವುದೇ ಸಂಶಯವಿಲ್ಲವೆಂದು

Assistant Engineer
Ward-14

Technically Sanctione for Rs. 198.52 lakhs/-
Rs. In words Rs. One Hundred & ninty ~~five~~ lakhs Sixty two thousand ninety ~~Six~~
Under ..... ~~Rs. 3075. P-3316~~
.....
Job Code No. 014-18-000070...
Requisition No. 58/21-22.... Subject to conditions specified in Enclosed Memo
No CE/WZ.175/58/21-22... dt 29/03/2022

AE/JE: TA CE(D)